

ABSTRACT

The present invention relates to a system and method for the treatment of pipes, pipe systems and related equipment, and the fluid and gas carried in the pipes to prevent scaling and build-up of deposits in the pipe. A first exemplary embodiment of the system comprises a pipe for carrying a fluid and at least one magnet assembly abutting portions of the exterior of the pipe to be treated. The magnet assembly preferably includes a plurality of magnet structures, the magnet structures being disposed at different radial positions around the exterior of the pipe. Each of the magnet structures includes a housing having first and second parallel sidewalls and a top wall connecting the pair of sidewalls; at least one first magnet disposed parallel to the top wall, and so that its north pole abuts the first sidewall; at least one second magnet disposed perpendicular to the top wall, and so that its south pole abuts a south pole of the at least one first magnet; at least one third magnet disposed parallel to the top wall, and so that its south pole abuts the south pole of the at least one second magnet; at least one fourth magnet disposed perpendicular to the top wall, and so that its north pole abuts a north pole of the at least one third magnet; and, at least one fifth magnet disposed parallel to the top wall, and so that its south pole abuts the second sidewall.

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